

REMARKS

Claims 1, 4-8, 14, 16-20, 49, 51-57, 60-64, 98, 100-104 are currently pending.

Claims 1, 4, 14, 49, 52, 57, 60, 98 and 100 were amended in the previous Preliminary Amendment to recite that the training is cognitive training.

Claims 1, 14, 49, 57, and 98 are amended in the present amendment to recite that the claimed methods effect rehabilitation of the cognitive deficit by producing a long-lasting performance gain. Claims 1, 14, 49, and 57 are also amended to correct typographical errors.

Support for these amendments can be found in the specification, for example, at page 2, line 20; page 3, lines 6-8; page 4, lines 20-24 (long-lasting performance gains); at page 2, lines 20-24; page 3, lines 23-25 (rehabilitation); and elsewhere in the application as originally filed.

No new matter is added by the claim amendments.

Claims 1, 4-8, 14, 16-20, 49, 51-57, 60-64, 98, 100-104 stand rejected in the final Office Action mailed on October 2, 2007.

Applicants respectfully traverse the rejections. Applicants hereby reiterate and incorporate by reference all arguments, comments and remarks made in Applicants' previous submissions, including all arguments, comments and remarks made in the Preliminary Amendment accompanying the RCE filed on October 31, 2007.

Thus, Applicants will not unduly repeat arguments, remarks or comments made in previous submissions. However, Applicants make some additional remarks regarding the amendments to the claims presented in this Supplemental Preliminary Amendment.

I. Rejection of claims under 35 U.S.C. 112, first paragraph (enablement)

Claims 1, 4-8, 14, 6-20, 49, 51-57, 60-64, 98, 100-104 were rejected under 35 U.S.C. 112, first paragraph.

Applicants provide no further remarks regarding these rejections at this time. However, Applicants submit that the claims are enabled and request withdrawal of the rejections of claims 1, 4-8, 14, 16-20, 49, 51-57, 60-64, 98, 100-104 under 35 U.S.C. § 112, first paragraph.

II. Rejection of claims under 35 U.S.C. 103(a)

Claims 1, 4-8, 14, 16-20, 49, 51-57, 60-64, 98, 100-104 were under 35 U.S.C. 103(a).

Applicants submit that, in addition to the reasons discussed previously, the present claims are not obvious over the cited references for the further reasons that the combination of the cited references fails to provide long-lasting performance gain, and fails to provide rehabilitation of an animal as a result of such long-lasting performance gain. In particular, the combination of the cited references lacks disclosure, suggestion, or motivation regarding rehabilitation by long-lasting performance gain effected by enhancement of CREB pathway function. Furthermore, the cited references fail to provide, teach, or suggest that rehabilitation by long-lasting performance gain effected by enhancement of CREB pathway function may be effected by the present methods, including failing to provide, teach, or suggest that rehabilitation by long-lasting performance gain effected by enhancement of CREB pathway function may be effected by administration, before, during or after cognitive training, of a phosphodiesterase inhibitor which enhances CREB pathway function.

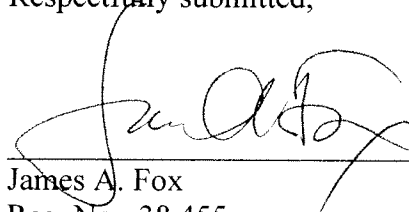
Accordingly, Applicants maintain that a combination of the cited references does not make the present invention obvious. In view of these reasons, withdrawal of this rejection is respectfully requested.

CONCLUSION

The present application is believed to be in prima facie condition for allowance, and an early action to that effect is respectfully solicited. Please direct any calls in connection with this application to the undersigned at the number provided below.

Please charge any additional fees, including additional fees for extension of time, or credit overpayment to Deposit Account No. **08-1641**, referencing Attorney's Docket No. **43373-0008**.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "James A. Fox", is written over a horizontal line.

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